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COMPARISON OF ENROLLED AND NON-ENROLLED APPLICANTS FOR MODESTO JUNIOR COLLEGE, FALL 1966.

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THE CHARACTERISTICS OF THOSE WHO APPLY FOR ENTRANCE AND FULFILL THEIR ADMISSION REQUIREMENTS BUT FAIL TO ENROLL WERE STUDIED TO SEE IF ADMISSION PROCEDURES SHOULD BE REAPPRAISED. THE STUDY EXAMINED FOR POSSIBLE SIGNIFICANCE THE HIGH SCHOOL COURSES TAKEN, THE GEOGRAPHICAL LOCATION OF THE HIGH SCHOOL, AND DIFFERENCES AMONG THE ENROLLED, THE NON-ENROLLED, AND FIRST-SEMESTER DROPOUTS AS REVEALED BY THE BIOGRAPHICAL INVENTORY AND THE COLLEGE'S PLACEMENT TEST. LITTLE DIFFERENCE WAS FOUND TO BE ATTRIBUTABLE TO HIGH SCHOOL LOCATION. THE ENROLLED STUDENTS INCLUDED MORE MEN THAN WOMEN, OWNED FEWER AUTOMOBILES, WERE SUPPORTED BY OR WERE LIVING WITH THEIR PARENTS, WERE LESS LIKELY TO BE MARRIED OR TO NEED TO WORK, AND HAD BETTER EDUCATED PARENTS AND HIGHER CAREER ASPIRATIONS. THE NON-ENROLLED HAD TAKEN MORE VOCATIONAL THAN COLLEGE-PREPARATORY COURSES IN HIGH SCHOOL AND HAD APPLIED FOR THE SAME IN COLLEGE, HAD APPROXIMATELY THE SAME ENTRANCE TEST SCORES AS THE FIRST-SEMESTER DROPOUTS, AND HAD FREQUENT FINANCIAL PROBLEMS. THE DROPOUTS HAD GENERALLY LOWER SCORES THAN THOSE WHO STAYED IN COLLEGE. BECAUSE OF THE FREQUENT FINANCIAL PROBLEMS OF THE NON-ENROLLED, THE AUTHOR RECOMMENDS THAT THE COLLEGE MAINTAIN A PROGRAM OF FINANCIAL AID AND JOB PLACEMENT. (HH)

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COMPARISON OF ENROLLED AND NON-ENROLLED APPLICANTS FOR MODESTO JUNIOR COLLEGE FALL 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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Report No. 2

UNIVERSITY OF CALIF.
LOS ANGELES

NOV 5 1967

CLEARINGHOUSE FOR
JUNIOR COLLEGE
INFORMATION

by

Bert D. Anderson

Student Personnel Services

Modesto Junior College

September 1967

JC 670923

INTRODUCTION

Each year a significant number of students fail to enroll in Modesto Junior College even though they have made application for admission and have completed all of their placement examinations. It is desirable to know something about the characteristics of these applicants in making an appraisal of our admission procedures.

PURPOSE OF STUDY

The purpose of this study was to obtain information about the characteristics of applicants who fail to enroll at Modesto Junior College.

Information was sought which would pertain to the following:

1. What type of high school coursework did the non-enrolled applicants most often take?
2. Was there any particular geographical area within the Yosemite Junior College District having a high rate of applicants who did not enroll?
3. Were there any notable differences in the characteristics of the enrolled and non-enrolled applicants as revealed by the Biographical Inventory and the Modesto Junior College placement tests?

SAMPLE

The sample was composed of 561 applicants for the fall semester of 1966 who completed their forms for admission, the Modesto Junior College placement tests, and the Biographical Inventory, but did not enter the college in the fall semester of 1966. Comparable data was also available for applicants who did enter Modesto Junior College in the fall semester of 1966.

PROCEDURE

The information about the sample was obtained from performance on the Modesto Junior College placement tests and Biographical Inventory.

The placement test results of the non-enrolled group were compared with the enrolled students and with enrolled students who did not complete their first semester.

The tabulations and other statistical data were obtained through use of the 1620 computer.

FINDINGS

1. Fifty and seven-tenths percent of the non-enrolled applicants were female as compared to 41.1% for the enrolled group.
2. Davis and Downey High School had a higher percentage of their students within the enrolled group, while Modesto High had a higher percentage within the non-enrolled group. The proportion of students in the enrolled and non-enrolled groups was about the same for all of the remaining high schools of the district.
3. The percentage of students (47.7%) taking a college or university preparatory course in high school was greater for the enrolled than for the non-enrolled applicants (33.6%).

   The non-enrolled group had a higher percentage of students who had taken vocational courses in high school.
4. A lower percentage of students in the enrolled group owned an automobile.
5. Forty-two and two-tenths percent of the non-enrolled, as compared to 29.2% of the enrolled, said they must be employed to remain in college.
6. Applicants who did not enroll were less likely to be living with their parents. Only 5.2% of the enrolled as compared to 12.3% of the non-enrolled applicants were married.
7. A higher percentage of the enrolled applicants were supported entirely by their parents.

8. The parental education level tends to be higher among enrolled applicants.
9. The aspirational level of enrolled students was higher than for the non-enrolled applicants.
10. A higher percentage of students planning to major in Business (Secretarial), Trades and Industries, Law Enforcement, and Nursing was found in the non-enrolled group.
11. Non-enrolled applicants did not generally participate as often as enrolled students in the extra curricular activities of their high school.
12. There were no significant differences between the scores earned by applicants who enrolled and then dropped out before the end of the first semester, and those who did not enroll at all.
13. Applicants who enrolled earned significantly higher placement test scores than those who did not enter the college.
14. Students who dropped out of Modesto Junior College before the end of the first semester earned scores on the placement tests that were significantly lower than those earned by the group who completed their first semester in college.

CONCLUSIONS

1. The non-enrolled applicant group tended to resemble the sample of the first semester dropouts.
2. Most of the non-enrolled applicants probably did not make dual application since about 66% were not eligible for admission to another college.
3. Financial problems appear to have been more frequent among the non-enrolled group.

IMPLICATIONS

It appears there is need for Modesto Junior College to maintain a strong financial aids program (including job placement) that will encourage needy students to enter college and complete their training program.

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APPENDIX

TABLE I

COMPARISON OF SCORES EARNED BY STUDENTS WHO
COMPLETED THEIR FIRST SEMESTER (N1) AND THOSE WHO LEFT COLLEGE (N2)
BEFORE COMPLETING A SEMESTER OF WORK AT MODESTO JUNIOR COLLEGE
FALL 1966

TEST	N_1	N_2	M_1	M_2	t	σ_1	σ_2
A.C.E.							
Q Score	1523	173	40.1	37.7	2.88	12.0	12.2
L Score	1523	173	59.0	54.3	3.91	16.8	15.8
Total Score	1523	173	99.2	92.0	3.90	25.7	25.2
Coop. English							
Total Reading	1514	173	156.2	153.2	4.19	10.0	9.6
Expression	1514	173	153.7	150.4	3.97	11.2	9.7
Total English	1514	173	155.2	152.1	4.40	9.7	9.0
S.F. Arithmetic	1520	173	20.9	18.7	5.88	5.0	5.3
Biographical Inventory	1525	172	15.2	13.7	4.31	4.9	4.7

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TABLE II

COMPARISON OF SCORES BETWEEN APPLICANTS WHO ENROLLED (N1) AT MODESTO JUNIOR COLLEGE AND THOSE (N2) WHO DID NOT ENTER FALL 1966

TEST	N_1	N_2	M_1	M_2	t	σ_1	σ_2
A.C.E.							
Q Score	1696	539	39.9	36.7	7.42	12.0	12.1
L Score	1696	539	58.5	55.3	5.45	16.7	17.3
Total Score	1696	539	98.5	92.1	7.04	25.8	26.6
Coop. English							
Total Reading	1687	535	155.9	154.0	5.21	10.0	10.2
Expression	1687	535	153.4	151.1	5.54	11.1	11.1
Total English	1687	535	154.9	152.8	5.88	9.7	9.9
S. F. Arithmetic	1693	539	20.6	19.1	8.66	5.1	5.3
Biographical Inventory	1697	535	15.0	14.1	5.13	4.9	4.9

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TABLE III

COMPARISON OF SCORES EARNED BY APPLICANTS WHO DID NOT ENROLL (N1) AND THOSE WHO ENROLLED BUT WITHDREW BEFORE THE END OF THE FIRST SEMESTER (N2) FALL 1966

TEST	N_1	N_2	M_1	M_2	t	σ_1	σ_2
A.C.E.							
Q Score	539	173	36.7	37.7	1.26	12.1	12.2
L Score	539	173	55.3	54.3	.94	17.3	15.8
Total Score	539	173	92.1	92.0	.06	26.6	25.2
Coop. English							
Total Reading	535	173	154.0	153.2	1.31	10.2	9.6
Expression	535	173	151.1	150.4	.96	11.1	9.7
Total English	535	173	152.8	152.1	1.17	9.9	9.0
S.F. Arithmetic	538	174	19.1	18.7	1.08	5.4	5.3
Biographical Inventory	535	172	14.1	13.7	1.49	4.9	4.7

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A COMPARISON OF RESPONSES TO ITEMS ON THE BIOGRAPHICAL INVENTORY THAT WERE MADE BY ENROLLED AND NON-ENROLLED APPLICANTS WHO APPLIED FOR ADMISSION TO MJC IN THE FALL SEMESTER OF 1966 (N_1=1692, N_2=561)

	Enrolled		Not Enrolled	
	N	%	N	%
1. Sex				
Male	992	58.9	275	49.3
Female	693	41.1	283	50.7
No response				
2. Marital Status				
Single	1514	90.2	455	82.4
Married	127	7.6	74	13.4
Divorced	22	1.3	11	2.0
Widowed	2	0.1	6	1.1
Separated	13	0.8	6	1.1
No response				
3. Omitted				
4. MJC Entrance age - Less than 18	388	23.7	104	19.6
18	950	57.9	272	51.3
19	100	6.1	36	6.8
20	25	1.5	15	2.8
21	26	1.6	8	1.5
Over 21	151	9.2	95	17.9
No response				
5. High School last attended				
Ceres	85	5.0	23	4.3
Grace Davis	212	12.6	56	10.4
Denair	15	0.8	6	1.1
Thomas Downey	263	15.6	60	11.1
Gustine	48	2.8	11	2.0
Hilmar	27	1.6	10	1.9
Hughson	60	3.6	14	2.6
Modesto	175	10.4	79	14.6
Oakdale	130	7.7	37	6.9
No response				
6. High School last attended (cont.)				
Orestimba	38	2.3	15	2.8
Patterson	33	2.0	16	3.0
Ripon Union	46	2.7	14	2.6
Sonora	92	5.5	27	5.0
Summerville	34	2.0	10	1.9
Turlock	150	8.9	48	8.9
Los Banos	26	1.5	11	2.0
Calaveras or Bret Harte	16	0.9	4	0.7
Other	237	14.0	99	18.3
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled		Not Enrolled	
	N	%	N	%
7. High School Major				
College or university preparatory	765	47.7	173	33.6
Vocational - Business	260	16.2	106	20.6
Vocational - Industrial	123	7.7	41	7.9
General	292	18.2	123	23.9
Mixed	165	10.3	72	13.9
No response				
8. Grade point average in high school				
D	9	0.6	4	0.8
D+	33	2.0	13	2.5
C	361	22.3	167	31.7
C+	560	34.6	161	30.6
B	437	27.0	130	24.7
B+	167	10.3	45	8.6
A	50	3.1	6	1.1
No response				
9. Motor vehicle ownership				
Do not own one	830	50.0	252	45.6
Own car	684	41.2	247	44.7
Have part interest in car	145	8.7	54	9.8
No response				
10. My transportation to MJC will be by				
car pool	268	16.3	71	13.1
bus	251	15.2	72	13.3
walk	86	5.2	28	5.2
drive own car	893	54.2	311	57.4
bicycle	22	1.3	8	1.5
other	129	7.8	52	9.6
No response				
11. While enrolled in college I plan to be employed				
None	635	41.3	170	33.1
1-4 hours per week	93	6.1	27	5.3
5-9	161	10.5	46	9.0
10-14	205	13.3	36	7.0
15-19	153	10.0	71	13.8
20-24	138	9.0	73	14.2
25-29	57	3.7	23	4.5
30-34	33	2.1	22	4.3
35 or more hours per week	62	4.0	45	8.8
No response				
12. Regarding your employment				
I must work to remain in college	444	29.2	213	42.4
I could remain in school even if I didn't work	1076	70.8	289	57.6
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled N	Enrolled %	Not Enrolled N	Not Enrolled %
13. While in college I plan to live with				
Parents	1241	76.3	333	62.2
Grandparents	20	1.2	18	3.4
And and/or Uncle	17	1.0	4	0.7
Brother or Sister	24	1.5	11	2.1
Self - Away from home	112	6.9	51	9.5
With other students in a rented apartment	128	7.9	52	9.7
Husband or wife	85	5.2	66	12.3
No response				
14. Financial support				
Supported entirely by parents	736	44.5	164	30.1
Partial self support	685	41.4	235	43.2
G.I. benefits	81	4.9	27	5.0
Scholarship	21	1.3	5	0.9
Loan	3	0.2	4	0.7
Other	129	7.8	109	20.0
No response				
15. Father's occupation				
unskilled	219	13.6	71	13.6
skilled	763	47.3	230	44.1
business manager	263	16.3	88	16.9
professional	260	16.1	62	11.9
disabled	33	2.0	22	4.2
deceased	75	4.6	48	9.2
No response				
16. Father's education				
completed 8th grade	318	21.0	112	24.0
completed 10th grade	156	10.3	52	11.2
completed 11th or 12th grade	548	36.1	170	36.5
1 year college	104	6.9	26	5.6
2 years college	140	9.2	44	9.4
3 years college	27	1.8	8	1.7
college graduate	149	9.8	37	7.9
Master's degree	56	3.7	12	2.6
Doctorate completed	19	1.3	5	1.1
No response				
17. Mother's education				
completed 8th grade	208	13.1	95	18.6
completed 10th grade	144	9.1	55	10.8
completed 11th or 12th grade	729	45.9	210	41.2
1 year college	120	7.6	39	7.6
2 years college	195	12.3	50	9.8
3 years college	33	2.1	14	2.7
college graduate	140	8.8	41	8.0
Master's degree	18	1.1	5	1.0
Doctorate completed	1	0.1	1	0.2
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled N	Enrolled %	Not Enrolled N	Not Enrolled %
18. Your college plans (mark highest level you plan to attain)				
1 semester of junior college	12	0.7	6	1.1
1 year of junior college	82	5.0	60	11.1
3 semesters of junior college	16	1.0	13	2.4
4 semesters of junior college	592	35.8	221	41.0
graduation from a 4-year college	638	38.6	167	31.0
Master's degree	225	13.6	53	9.8
Doctorate	68	4.1	12	2.2
Post doctorate study	21	1.3	7	1.3
No response				
19. Do your parents approve of your college plans				
Yes	1575	97.0	509	97.1
No	49	3.0	15	2.9
No response				
20. Language spoken at home				
English only	1494	91.4	486	90.7
Foreign language primarily	31	1.9	7	1.3
Foreign language and English about equally spoken	109	6.7	43	8.0
No response				
21. In regard to your selected college major, you are				
certain	592	35.6	205	37.2
somewhat certain	711	42.7	216	39.2
indifferent	45	2.7	13	2.4
uncertain	299	18.0	110	20.0
planning to change	18	1.1	7	1.3
No response				
22. Did you in high school regularly check out books from the school or public library just for the pleasure of reading them?				
Yes	892	53.6	298	54.3
No	771	46.4	251	45.7
No response				
23. How many books have you read in the past 12 months purely for the pleasure of reading them?				
one	86	5.2	29	5.3
two	138	8.3	50	9.2
three	182	11.0	49	9.0
four	210	12.7	85	15.6
five to 10	501	30.2	144	26.4
more than 10	451	27.2	155	28.4
none	91	5.5	34	6.2
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled N	Enrolled %	Not Enrolled N	Not Enrolled %
24. Regarding the visit of Modesto Junior College staff to your high school you feel the talk to the senior class				
was of little value	226	14.3	56	11.6
was quite helpful	665	42.2	183	37.9
was very helpful	245	15.6	73	15.1
ought to be discontinued	12	0.8	8	1.7
I don't remember	154	9.8	61	12.6
was not given	273	17.3	102	21.1
No response				
25. All things considered, did you like high school?				
Yes	1546	93.0	488	90.2
No	116	7.0	53	9.8
No response				
26. In the past you have found school to be				
interesting	1016	61.0	346	63.3
interesting only sometimes	533	32.0	161	29.4
often boring	101	6.1	34	6.2
nearly always boring	15	0.9	6	1.1
No response				
27. In general, do you have good study habits?				
Yes	961	57.6	298	55.3
No	706	42.4	241	44.7
No response				
28. Do you feel that you				
Would like to obtain help in developing study habits ...	887	54.3	315	58.4
Do not need help in developing better study habits ...	658	40.3	198	36.7
Need help but are not interested ...	88	5.4	26	4.8
No response				
29. Which is the most accurate statement about yourself?				
I have been pressured by my parents to do better in school ...	243	14.8	79	15.1
My parents have encouraged, but not pressured me	1315	80.0	397	75.8
My parents have taken little notice of my school progress ...	86	5.2	48	9.2
No response				
30. In your opinion, which is the most accurate statement?				
To be successful in college, a student need only learn the facts but make little change himself ...	36	2.1	25	4.6
One is likely to remain unchanged during his stay in college ...	40	2.4	11	2.0
A student will likely change a great deal as a result of his college experience ...	1599	95.5	510	93.4
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled		Not Enrolled	
	N	%	N	%
31. My college major will be				
Agriculture	148	9.8	31	6.4
Business Administration	182	12.1	50	10.2
Business (secretarial and clerical)	158	10.5	63	12.9
Major is still undecided--plan to register in general college ...	224	14.9	82	16.8
Home Economics	34	2.3	15	3.1
Art	46	3.1	17	3.5
Literature and Language Arts	68	4.5	19	3.9
Speech, Drama, Radio or TV broadcasting	25	1.7	4	0.8
Mathematics	27	1.8	5	1.0
No response				
32. (Cont. from item 31)				
Natural Science	91	6.1	17	3.5
Physical Education	39	2.6	11	2.3
Social Science	129	8.6	36	7.4
Trades and Industry	86	5.7	34	7.0
Law Enforcement	31	2.1	22	4.5
Registered Nursing	48	3.2	23	4.7
Vocational Nursing	42	2.8	44	9.0
Engineering and Engineering Technology	103	6.8	11	2.3
Music	23	1.5	4	0.8
No response				
33. While in high school did you participate in varsity athletics such as being on the basketball, baseball, football, track or swimming team?				
Yes	620	38.2	184	34.7
No	1005	61.8	347	65.3
No response				
34. During high school did you participate in dramatics?				
Yes	295	17.8	99	18.0
No	1360	82.2	450	82.0
No response				
35. In high school did you participate in debate?				
Yes	342	20.6	93	17.0
No	1316	79.4	453	83.0
No response				
36. In high school were you in either orchestra or band?				
Yes	295	17.8	70	12.9
No	1363	82.2	474	87.1
No response				
37. Were you in the high school choir?				
Yes	282	16.9	115	21.1
No	1384	83.1	431	78.9
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled N	Enrolled %	Not Enrolled N	Not Enrolled %
38. Were you elected to a student office while in high school?				
Yes	386	23.1	104	19.0
No	1283	76.9	442	81.0
No response				
39. Did you serve on a student-faculty committee while enrolled in high school?				
Yes	276	16.5	82	15.0
No	1392	83.5	465	85.0
No response				
40. Did you actively participate in a student club while attending high school?				
Yes	1193	72.0	341	62.8
No	464	28.0	202	37.2
No response				
41. Have you actively worked with a community group in promoting a political party?				
Yes	152	9.1	41	7.4
No	1523	90.0	511	92.6
No response				
42. Have you exhibited your own art at a community exhibition?				
Yes	337	20.1	95	17.2
No	1336	79.9	457	82.8
No response				
43. Have you built scientific equipment or devices during your spare time?				
Yes	248	14.9	72	13.3
No	1417	85.1	471	86.7
No response				
44. Have you published as an author or co-author a scholarly paper?				
Yes	85	5.1	22	4.0
No	1585	94.9	526	96.0
No response				
45. Do you read scholarly journals having to do with the humanities?				
Yes	356	21.4	103	18.8
No	1308	78.6	444	81.2
No response				
46. Have you actively assisted in helping a student religious group raise funds for a useful cause?				
Yes	502	30.1	162	29.5
No	1165	69.9	387	70.5
No response				

FALL 1966 BIOGRAPHICAL INVENTORY

	Enrolled		Not Enrolled	
	N	%	N	%
47. Are you an active member of a student religious group?				
Yes	349	20.9	109	20.1
No	1318	79.1	433	79.9
No response				
48. Have you composed or arranged music that was publicly performed?				
Yes	81	4.8	18	3.3
No	1591	95.2	533	96.7
No response				
49. Have you publicly performed on two or more music instruments (including voice)?				
Yes	417	24.9	120	21.9
No	1258	75.1	429	78.1
No response				
50. Have you attained a first division rating in a state or regional solo music contest?				
Yes	71	4.3	26	4.8
No	1595	95.7	521	95.2
No response				
51. Have you had a poem, story, essay, or article published in a public (not school) newspaper?				
Yes	100	6.0	24	4.4
No	1572	94.0	523	95.6
No response				
52. Have you ever won any kind of award for creative writing?				
Yes	91	5.5	25	4.6
No	1577	94.5	521	95.4
No response				
53. Have you ever helped carry out a research project in the Social Sciences?				
Yes	316	19.0	94	17.2
No	1349	81.0	451	82.8
No response				
54. Have you ever won a prize or an award for outstanding work in the Social Sciences?				
Yes	31	1.9	12	2.2
No	1637	98.1	534	97.8
No response				
55. Have you ever won a contest in speech, debate, or extemporaneous speaking?				
Yes	142	8.5	36	6.6
No	1528	91.5	513	93.4
No response				

	Enrolled N	Enrolled %	Not Enrolled N	Not Enrolled %
56. Did you participate in a high school play?				
Yes	355	21.3	107	19.7
No	1313	78.7	435	80.3
No response				
57. Did you have a leading part in a HS play or musical?				
Yes	131	7.9	39	7.1
No	1532	92.1	508	92.9
No response				
58. Have you, during HS, been in an independent study program?				
Yes	270	16.4	85	15.9
No	1373	83.6	451	84.1
No response				
59. Have you won a prize or an award for scholarship?				
Yes	174	10.5	53	9.7
No	1479	89.5	491	90.3
No response				
60. Have you served as financial secretary or business manager for any student body activity?				
Yes	199	12.0	53	9.7
No	1464	88.0	493	90.3
No response				
61. Were you employed full-time for more than 30 days during last summer?				
Yes	938	56.4	305	55.7
No	726	43.6	243	44.3
No response				
62. Have you ever won a prize for your art?				
Yes	200	12.0	59	10.8
No	1464	88.0	488	89.2
No response				
63. Has one of your projects been on exhibit at a science fair such as the one held at Modesto Junior College?				
Yes	135	8.1	38	7.0
No	1524	91.9	506	93.0
No response				
64. Have you ever served as a volunteer worker for a hospital, welfare group, or a similar kind of organization?				
Yes	341	20.5	136	25.0
No	1324	79.5	409	75.0
No response				
65. Have you served as a teacher for your church?				
Yes	311	18.8	119	22.0
No	1345	81.2	423	78.0
No response				